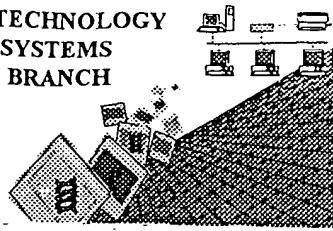


2 location

BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

10/619,284

Source:

PIPE

Date Processed by STIC:

7/28/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003



OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/619,284

DATE: 07/28/2003
TIME: 14:28:50

Input Set : A:\pto.yf.txt
Output Set: N:\CRF4\07282003\J619284.raw

3 <110> APPLICANT: Yershov, Gennadiy
4 Alferov, Oleg
5 Kukhtin, Alexander
8 <120> TITLE OF INVENTION: BIOCHIP READER WITH ENHANCED ILLUMINATION AND BIOARRAY
POSITIONING
9 APPARATUS
12 <130> FILE REFERENCE: ANL-IN-01-052
W--> 13 <140> CURRENT APPLICATION NUMBER: US 10/139,842
C--> 14 <141> CURRENT FILING DATE: 2003-07-14
17 <160> NUMBER OF SEQ ID NOS: 74

ERRORED SEQUENCES

1051 <210> SEQ ID NO: 74
1052 <211> LENGTH: 20
1053 <212> TYPE: DNA
1054 <213> ORGANISM: Artificial Sequence
1057 <220> FEATURE:
1058 <222> LOCATION:
1059 <223> OTHER INFORMATION: Other Information: Completely Synthesized
1062 <400> SEQUENCE: 74
E--> 1063 gatgatgatg atgatgatga

Does Not Comply
Corrected Diskette Needed

20L insert

see pp 2-5 for more info

2



OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/619,284

DATE: 07/31/2003
TIME: 19:54:04

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\07312003\J619284.raw

3 <110> APPLICANT: Yershov, Gennadiy
4 Alferov, Oleg
5 Kukhtin, Alexander
8 <120> TITLE OF INVENTION: BIOCHIP READER WITH ENHANCED ILLUMINATION AND BIOARRAY
POSITIONING
9 APPARATUS
12 <130> FILE REFERENCE: ANL-IN-01-052
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/619,284
C--> 13 <141> CURRENT FILING DATE: 2003-07-14
13 <150> PRIOR APPLICATION NUMBER: US 10/139,842
14 <151> PRIOR FILING DATE: 2002-05-06
17 <160> NUMBER OF SEQ ID NOS: 74
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 22
22 <212> TYPE: DNA
23 <213> ORGANISM: Artificial Sequence
26 <220> FEATURE:
W--> 27 <221> NAME/KEY: *delete*
28 <222> LOCATION:
29 <223> OTHER INFORMATION: ~~Other Information:~~ Completely Synthesized
31 <400> SEQUENCE: 1
W--> 32 ctttrgaaaa *t* *0* 22 *See p.5 for more explanation*
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 22
36 <212> TYPE: DNA
37 <213> ORGANISM: Artificial Sequence
40 <220> FEATURE:
41 <222> LOCATION:
42 <223> OTHER INFORMATION: ~~Other Information:~~ Completely Synthesized
44 <400> SEQUENCE: 2
45 ttgagataat aggrtataat tg 22
47 <210> SEQ ID NO: 3
48 <211> LENGTH: 22
49 <212> TYPE: DNA
50 <213> ORGANISM: Artificial Sequence
53 <220> FEATURE:
54 <222> LOCATION:
55 <223> OTHER INFORMATION: ~~Other Information:~~ Completely Synthesized
57 <400> SEQUENCE: 3
58 ttgagtarat aagatataac tg 22
60 <210> SEQ ID NO: 4
61 <211> LENGTH: 21
62 <212> TYPE: DNA
63 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/619,284

DATE: 07/31/2003
TIME: 19:54:04

3

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\07312003\J619284.raw

214 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <222> LOCATION:
219 <223> OTHER INFORMATION: ~~Other Information~~: Completely Synthesized
222 <400> SEQUENCE: 15
223 ttgataatca cattrccggct a 21
225 <210> SEQ ID NO: 16
226 <211> LENGTH: 21
227 <212> TYPE: DNA
228 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:
W--> 232 <221> NAME/KEY:
233 <222> LOCATION:
234 <223> OTHER INFORMATION: ~~Other Information~~: Completely Synthesized
237 <400> SEQUENCE: 16
W--> 238 ~~taattnaygag~~ acttctccag t 21
240 <210> SEQ ID NO: 17
241 <211> LENGTH: 23
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial Sequence
246 <220> FEATURE:
247 <222> LOCATION:
248 <223> OTHER INFORMATION: ~~Other Information~~: Completely Synthesized
251 <400> SEQUENCE: 17
252 ttttacgatt gcctttytgg ata 23
254 <210> SEQ ID NO: 18
255 <211> LENGTH: 21
256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
261 <222> LOCATION:
262 <223> OTHER INFORMATION: ~~Other Information~~: Completely Synthesized
265 <400> SEQUENCE: 18
266 gttataatga ttgtatgtatc c 21
268 <210> SEQ ID NO: 19
269 <211> LENGTH: 21
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
275 <222> LOCATION:
276 <223> OTHER INFORMATION: ~~Other Information~~: Completely Synthesized
279 <400> SEQUENCE: 19
280 ttgaattgaa tarttcgtatc t 21
282 <210> SEQ ID NO: 20
283 <211> LENGTH: 21
284 <212> TYPE: DNA
285 <213> ORGANISM: Artificial Sequence
288 <220> FEATURE:
289 <222> LOCATION:

See p.5

4
RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/619,284

DATE: 07/31/2003
TIME: 19:54:04

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\07312003\J619284.raw

290 <223> OTHER INFORMATION: ~~Other Information:~~ Completely Synthesized
293 <400> SEQUENCE: 20
294 gttataatga ttgttagtac c 21
296 <210> SEQ ID NO: 21
297 <211> LENGTH: 21
298 <212> TYPE: DNA
299 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
303 <222> LOCATION:
304 <223> OTHER INFORMATION: ~~Other Information:~~ Completely Synthesized
307 <400> SEQUENCE: 21
308 ttgaattgaa tarttcgtat t 21
310 <210> SEQ ID NO: 22
311 <211> LENGTH: 21
312 <212> TYPE: DNA
313 <213> ORGANISM: Artificial Sequence
316 <220> FEATURE:
317 <222> LOCATION:
318 <223> OTHER INFORMATION: ~~Other Information:~~ Completely Synthesized
321 <400> SEQUENCE: 22
322 aaatgctaag catgaatatg g 21
324 <210> SEQ ID NO: 23
325 <211> LENGTH: 21
326 <212> TYPE: DNA
327 <213> ORGANISM: Artificial Sequence
330 <220> FEATURE:
331 <222> LOCATION:
332 <223> OTHER INFORMATION: ~~Other Information:~~ Completely Synthesized
335 <400> SEQUENCE: 23
336 agatgctaag caygagttatg g 21
338 <210> SEQ ID NO: 24
339 <211> LENGTH: 23
340 <212> TYPE: DNA
341 <213> ORGANISM: Artificial Sequence
344 <220> FEATURE:
W--> 345 <221> NAME/KEY:
346 <222> LOCATION:
347 <223> OTHER INFORMATION: ~~Other Information:~~ Completely Synthesized
350 <400> SEQUENCE: 24
W--> 351 agt~~at~~gtata atayttggay gta 23 *all p. 5*
353 <210> SEQ ID NO: 25
354 <211> LENGTH: 25
355 <212> TYPE: DNA
356 <213> ORGANISM: Artificial Sequence
359 <220> FEATURE:
W--> 360 <221> NAME/KEY:
361 <222> LOCATION:
362 <223> OTHER INFORMATION: ~~Other Information:~~ Completely Synthesized
365 <400> SEQUENCE: 25

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/619,284

DATE: 07/31/2003
TIME: 19:54:05

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\07312003\J619284.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 13
Seq#:16; N Pos. 5
Seq#:24; N Pos. 5
Seq#:25; N Pos. 17
Seq#:27; N Pos. 2

Err explanation